



P.K.R ARTS COLLEGE FOR WOMEN
(Re-Accredited with 'A' Grade by NAAC)
Autonomous Institution-Affiliated To Bharathiar University
Gobichettipalayam-638476

Invitation



P.K.R. ARTS COLLEGE FOR WOMEN
(Re-Accredited with 'A' Grade by NAAC)
Autonomous Institution - Affiliated to Bharathiar University
Gobichettipalayam

DEPARTMENT OF PHYSICS
organises

**Workshop on Satellite Payload Development:
From Design to Deployment**

FACILITATORS



Bharathkumar Velusamy,
Chief Technology Officer, CSTERC,
Co-Founder, Open Space Foundation



Balaji Prasath,
Scientific Assistant in R&D at
CSTERC/Open Space Foundation,
Coimbatore

Venue: **MBA Seminar Hall & PG Physics Lab**
Date: **8.10.2024**
Time: **10.00 a.m.**

Organising Secretary: **Dr.C.ARULJOTHI**



Photos



Attendance

P.R. RAJES COLLEGE FOR WOMEN
 Reg. Accredited with 'A' Grade by NAAC
 An Autonomous Institution (Affiliated to Bharathiar University)
 Department of Physics
 Workshop on Satellite Payload Development: From Design to Deployment
 Attendance

Date: 08/10/2024 Time: 10:00 AM Day: Tuesday

S.No.	Name of the Faculty/Student	Department/Class	Signature
1.	T. Vasuki	II-M.Sc. Physics	P. Vasuki
2.	P. Divyashree	II-M.Sc. Physics	P. Divyashree
3.	G. Yamuna Devi	II-M.Sc. Physics	G. Yamuna Devi
4.	P. Ranga	II-M.Sc. Physics	P. Ranga
5.	A. Farhana Begum	II-M.Sc. Physics	A. Farhana Begum
6.	S. Gnanathi	II-M.Sc. Physics	S. Gnanathi
7.	S. Gnanathi	II-M.Sc. Physics	S. Gnanathi
8.	V. Gokulani	II-M.Sc. Physics	V. Gokulani
9.	V. Deepa	II-M.Sc. Physics	V. Deepa
10.	M. Harini	II-M.Sc. Physics	M. Harini
11.	M. Prathima	II-M.Sc. Physics	M. Prathima
12.	S. Anjali	II-M.Sc. Physics	S. Anjali
13.	A. Maheshwari	II-M.Sc. Physics	A. Maheshwari
14.	A.P. Nandhini	II-M.Sc. Physics	A.P. Nandhini
15.	R. Prachi	II-M.Sc. Physics	R. Prachi
16.	P. Ranga	II-M.Sc. Physics	P. Ranga
17.	P. Ranga	II-M.Sc. Physics	P. Ranga
18.	K. Nandhini	II-M.Sc. Physics	K. Nandhini
19.	K. Nandhini	II-M.Sc. Physics	K. Nandhini
20.	S. Anjali	II-M.Sc. Physics	S. Anjali
21.	B. Suba	II-M.Sc. Physics	B. Suba
22.	R. K. Prachi	II-M.Sc. Physics	R. K. Prachi
23.	K. Vishnu Priya	II-M.Sc. Physics	K. Vishnu Priya
24.	V. Ananya	II-M.Sc. Physics	V. Ananya

25.	D. Aruna	II-M.Sc. Physics	D. Aruna
26.	N. Hemalatha	II-M.Sc. Physics	N. Hemalatha
27.	M. Jayashree	II-M.Sc. Physics	M. Jayashree
28.	K. Jothi	II-M.Sc. Physics	K. Jothi
29.	S. Ananya	II-M.Sc. Physics	S. Ananya
30.	P. Suresh	II-M.Sc. Physics	P. Suresh
31.	M. Aruna	II-M.Sc. Physics	M. Aruna
32.	V. Sekara	II-M.Sc. Physics	V. Sekara
33.	M. Ananya	II-M.Sc. Physics	M. Ananya
34.	N. Ananya	II-M.Sc. Physics	N. Ananya
35.	S. Ananya	II-M.Sc. Physics	S. Ananya
36.	A. Ananya	II-M.Sc. Physics	A. Ananya
37.	V. Ananya	II-M.Sc. Physics	V. Ananya
38.	K. Ananya	II-M.Sc. Physics	K. Ananya
39.	Nandini	II-M.Sc. Physics	Nandini
40.	Kallathur	II-M.Sc. Physics	Kallathur
41.	Kallathur	II-M.Sc. Physics	Kallathur
42.	Kallathur	II-M.Sc. Physics	Kallathur
43.	Kallathur	II-M.Sc. Physics	Kallathur
44.	Kallathur	II-M.Sc. Physics	Kallathur
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55.	Kallathur	II-M.Sc. Physics	Kallathur
56.	Kallathur	II-M.Sc. Physics	Kallathur
57.	Kallathur	II-M.Sc. Physics	Kallathur

S.No.	Name of the Faculty/Student	Department/Class	Signature
58.	N. Ananya	II-M.Sc. Physics	N. Ananya
59.	V. Ananya	II-M.Sc. Physics	V. Ananya
60.	T. Ananya	II-M.Sc. Physics	T. Ananya
61.	K. Ananya	II-M.Sc. Physics	K. Ananya
62.	M. Ananya	II-M.Sc. Physics	M. Ananya
63.	N. Ananya	II-M.Sc. Physics	N. Ananya
64.	V. Ananya	II-M.Sc. Physics	V. Ananya
65.	V. Ananya	II-M.Sc. Physics	V. Ananya
66.	S. Ananya	II-M.Sc. Physics	S. Ananya
67.	S. Ananya	II-M.Sc. Physics	S. Ananya
68.	M. Ananya	II-M.Sc. Physics	M. Ananya
69.	M. Ananya	II-M.Sc. Physics	M. Ananya
70.	B. Ananya	II-M.Sc. Physics	B. Ananya
71.	R. Ananya	II-M.Sc. Physics	R. Ananya
72.	S. Ananya	II-M.Sc. Physics	S. Ananya
73.	P. Ananya	II-M.Sc. Physics	P. Ananya
74.	D. Ananya	II-M.Sc. Physics	D. Ananya
75.	M. Ananya	II-M.Sc. Physics	M. Ananya
76.	C. Ananya	II-M.Sc. Physics	C. Ananya
77.	M. Ananya	II-M.Sc. Physics	M. Ananya
78.	C. Ananya	II-M.Sc. Physics	C. Ananya
79.	C. Ananya	II-M.Sc. Physics	C. Ananya
80.	C. Ananya	II-M.Sc. Physics	C. Ananya
81.	P. Ananya	II-M.Sc. Physics	P. Ananya
82.	S. Ananya	II-M.Sc. Physics	S. Ananya
83.	S. Ananya	II-M.Sc. Physics	S. Ananya
84.	V. Ananya	II-M.Sc. Physics	V. Ananya
85.	M. Ananya	II-M.Sc. Physics	M. Ananya
86.	P. Ananya	II-M.Sc. Physics	P. Ananya
87.	S. Ananya	II-M.Sc. Physics	S. Ananya

S.No.	Name of the Faculty/Student	Department/Class	Signature
88.	P. Ananya	II-M.Sc. Physics	P. Ananya
89.	R. Ananya	II-M.Sc. Physics	R. Ananya
90.	N. Ananya	II-M.Sc. Physics	N. Ananya
91.	M. Ananya	II-M.Sc. Physics	M. Ananya
92.	R. Ananya	II-M.Sc. Physics	R. Ananya
93.	M. Ananya	II-M.Sc. Physics	M. Ananya
94.	K. Ananya	II-M.Sc. Physics	K. Ananya
95.	S. Ananya	II-M.Sc. Physics	S. Ananya
96.	M. Ananya	II-M.Sc. Physics	M. Ananya
97.	P. Ananya	II-M.Sc. Physics	P. Ananya
98.	P. Ananya	II-M.Sc. Physics	P. Ananya
99.	T. Ananya	II-M.Sc. Physics	T. Ananya
100.	G. Ananya	II-M.Sc. Physics	G. Ananya
101.	M. Ananya	II-M.Sc. Physics	M. Ananya
102.	T. Ananya	II-M.Sc. Physics	T. Ananya
103.	G. Ananya	II-M.Sc. Physics	G. Ananya
104.	M. Ananya	II-M.Sc. Physics	M. Ananya
105.	V. Ananya	II-M.Sc. Physics	V. Ananya
106.	M. Ananya	II-M.Sc. Physics	M. Ananya
107.	V. Ananya	II-M.Sc. Physics	V. Ananya
108.	K. Ananya	II-M.Sc. Physics	K. Ananya
109.	S. Ananya	II-M.Sc. Physics	S. Ananya
110.	G. Ananya	II-M.Sc. Physics	G. Ananya
111.	P. Ananya	II-M.Sc. Physics	P. Ananya
112.	K. Ananya	II-M.Sc. Physics	K. Ananya
113.	L. Ananya	II-M.Sc. Physics	L. Ananya
114.	G. Ananya	II-M.Sc. Physics	G. Ananya
115.	B. Ananya	II-M.Sc. Physics	B. Ananya
116.	M. Ananya	II-M.Sc. Physics	M. Ananya
117.	M. Ananya	II-M.Sc. Physics	M. Ananya
118.	M. Ananya	II-M.Sc. Physics	M. Ananya

S.No.	Name of the Faculty/Student	Department/Class	Signature
119.	S. Ananya	II-M.Sc. Physics	S. Ananya
120.	S. Ananya	II-M.Sc. Physics	S. Ananya
121.	V. Ananya	II-M.Sc. Physics	V. Ananya
122.	S. Ananya	II-M.Sc. Physics	S. Ananya
123.	M. Ananya	II-M.Sc. Physics	M. Ananya
124.	S. Ananya	II-M.Sc. Physics	S. Ananya
125.	K. Ananya	II-M.Sc. Physics	K. Ananya
126.	T. Ananya	II-M.Sc. Physics	T. Ananya
127.	N. Ananya	II-M.Sc. Physics	N. Ananya
128.	V. Ananya	II-M.Sc. Physics	V. Ananya
129.	S. Ananya	II-M.Sc. Physics	S. Ananya
130.	V. Ananya	II-M.Sc. Physics	V. Ananya
131.	S. Ananya	II-M.Sc. Physics	S. Ananya
132.	V. Ananya	II-M.Sc. Physics	V. Ananya
133.	D. Ananya	II-M.Sc. Physics	D. Ananya
134.	G. Ananya	II-M.Sc. Physics	G. Ananya
135.	A. Ananya	II-M.Sc. Physics	A. Ananya
136.	S. Ananya	II-M.Sc. Physics	S. Ananya
137.	M. Ananya	II-M.Sc. Physics	M. Ananya
138.	M. Ananya	II-M.Sc. Physics	M. Ananya
139.	S. Ananya	II-M.Sc. Physics	S. Ananya
140.	G. Ananya	II-M.Sc. Physics	G. Ananya
141.	S. Ananya	II-M.Sc. Physics	S. Ananya
142.	S. Ananya	II-M.Sc. Physics	S. Ananya
143.	V. Ananya	II-M.Sc. Physics	V. Ananya
144.	S. Ananya	II-M.Sc. Physics	S. Ananya
145.	S. Ananya	II-M.Sc. Physics	S. Ananya
146.	M. Ananya	II-M.Sc. Physics	M. Ananya
147.	V. Ananya	II-M.Sc. Physics	V. Ananya
148.	S. Ananya	II-M.Sc. Physics	S. Ananya
149.	S. Ananya	II-M.Sc. Physics	S. Ananya

S.No.	Name of the Faculty/Student	Department/Class	Signature
150.	S. Ananya	II-M.Sc. Physics	S. Ananya
151.	M. Ananya	II-M.Sc. Physics	M. Ananya
152.	H. Ananya	II-M.Sc. Physics	H. Ananya
153.	D. Ananya	II-M.Sc. Physics	D. Ananya
154.	K. Ananya	II-M.Sc. Physics	K. Ananya
155.	D. Ananya	II-M.Sc. Physics	D. Ananya
156.	M. Ananya	II-M.Sc. Physics	M. Ananya
157.	M. Ananya	II-M.Sc. Physics	M. Ananya
158.	B. Ananya	II-M.Sc. Physics	B. Ananya
159.	S. Ananya	II-M.Sc. Physics	S. Ananya

Signature of the HOD (K)

Report



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DEPARTMENT OF PHYSICS

Name of the Programme : Workshop on Satellite Development From Design to
Deployment

Date : 08.10.2024

Venue : MBA Seminar Hall & P.G Physics lab

Time : 10.00 AM

Objective of the program:

- **Introduce Fundamentals of Satellite Payloads:** Provide with a solid understanding of the basic principles, functions, and types of satellite payloads, and their role in various space missions.
- **Enhance Practical Skills Through Hands On Experience:** Provide practical exercises and case studies to help participants apply the theoretical knowledge they gain and better understand the real-world challenges of payload development.

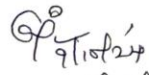
Workshop

The workshop focused on the educating participants through hands on experience on payload design, integration, testing and deployment. Participants experienced with practical exercises including install Arduino IDE 2.2.3, Connecting Arduino chip with Arduino IDE 2.2.3, Checking the working condition of Arduino by LED blinking test, Connecting the Arduino with MQ135 Gas Sensor, Checking the working condition of Gas Sensor by using Alcohol, Connecting the Arduino with DHT11 Sensor to measure humidity, Checking the working condition of DHT11 sensor to measure the humidity in the environment.

No. of Participants: 159 participants in MBA Seminar Hall & 38 participants in P.G Physics Lab

Outcome of the Workshop : Participants would gain the comprehensive understanding of payload design including the basic knowledge of Arduino , Selection of sensors and learn about the manufacturing of satellite payloads and their testing procedures. The workshop may involves using software tools for stimulating the payload's performance in space environments. Participants would learn how payload communicates with other satellite systems. A workshop often encourages collaboration among participants in future opportunities for joint development projects.

Organizing Secretary: Dr. C. ARULJOTHI


Signature of the HoD(i/c)